

Serial No. 10/785,288

Docket No. 1232-5303**AMENDMENTS TO THE SPECIFICATION**

Please replace the paragraph beginning at page 5, line 12 and ending at page 6, line 5, (paragraph [0013]) of the application as published) with the following replacement paragraph:

[0013] While a six-mirror catoptric projection optical system proposed in International Publication No. WO 02/056114A2 intercepts light from a second mirror M2 to a third mirror with light from a fourth mirror to a fifth mirror, a first mirror M1 has such a concave [convex] surface that light incident upon the second mirror M2 from the first mirror M1 remarkably inclines relative to the optical axis. As a result, a subsequent mirror disadvantageously has a large effective diameter; for example, the fourth mirror has a large effective diameter, such as 670 mm. In addition, a long span of 1500 mm has a difficulty in realization in view of processing, measurements, vacuum stability, etc. A large angle between exit light from the first reflective surface and an optical axis also causes the fifth and sixth reflective surfaces to have very large effective diameters. In particular, the effective diameter of the fifth reflective surface is considered to be about 650 mm for NA of 0.25, and a realization becomes difficult in view of a large apparatus and difficult processing and measurements.